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PANASONIC CT-G2966L MANUAL

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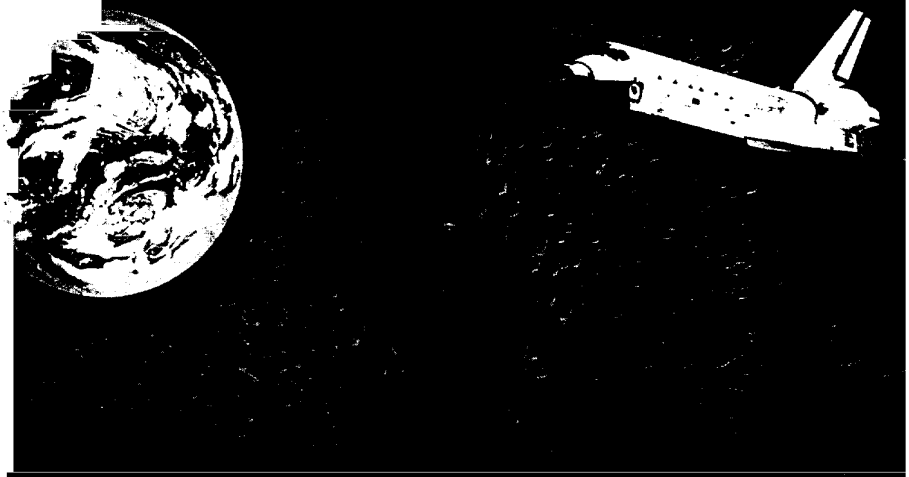
Panasonic

olor Television
perating Instructions

-36G23	CT-G3356	CT-3269S	CT-G2966L
-35G23	CT-G3366L	CT-G2956X	CT-27G23
-G3356X	CT-32G23	CT-G2956	CT-2769S



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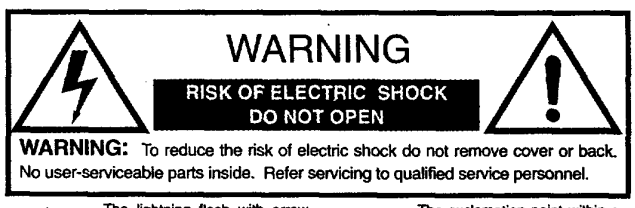

WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN
WARNING: To reduce the risk of electric shock do not remove cover or back.
No user-serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrow head within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

WARNING: To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

Congratulations

Your new TV features a solid state chassis that is designed to give you many years of enjoyment. It was thoroughly tested and tuned at the factory for best performance.

Customer Record

The model and serial number of this product are located on the back of the TV. You should note the model and serial number in the space provided and retain as a permanent record of your purchase. This will aid in identification in the event of theft or loss. Product registration is available at **www.prodreg.com/panasonic.**

Model Number

Serial Number

Care and Cleaning

Screen (Turn TV Off)

- Use a mild soap solution or window cleaner with a soft clean cloth. DO NOT USE ABRASIVE CLEANERS.
- Avoid excessive moisture and wipe dry.

Cabinet and Remote Control

- Use a soft cloth dampened with water or a mild detergent solution. Do not use benzene, thinner, or other petroleum based cleaners.
- Avoid excessive moisture and wipe dry.

Specifications

Power Source **CT-27G23 CT-32G23** **CT-35G23 CT-36G23** **CT-2769S CT-3269S**	120V AC, 60Hz
Channel Capability - 181	VHF-12; UHF-56; Cable-113
Video Input Jacks	$1V_{p-p}$, 75 Ohm, Phono Jack Type
Audio Input Jacks	500mV RMS 47K Ohm
To Audio AMP Jack	0-2.0V RMS 4.7K Ohm
S-VHS Input Jack (some models)	S-Video (Y-C) Connector

Specifications are subject to change without notice or obligation.

Installation

Television Location

This unit is intended to be used with an optional stand or entertainment center. Consult your dealer for available options.

- ❒ Avoid excessive sunlight or bright lights, including reflections.
- ❒ Keep away from excessive heat or moisture. Inadequate ventilation may cause internal component failure.
- ❒ Fluorescent lighting may reduce Remote Control transmitting range.
- ❒ Avoid magnetic equipment, including motors, fans, or external speakers.

Optional Cable Connections

Shielded audio and video cables should be used between components. For best results:

- ❒ Use 75-ohm coaxial shielded cables.
- ❒ Check type of output and input connectors on your components.
- ❒ Determine required cable lengths.

AC Power Supply Cord

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT OF AC OUTLET AND FULLY INSERT. DO NOT USE A PLUG WITH A RECEPTACLE OR OTHER OUTLET UNLESS THE BLADE CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. FOR SOME MODELS THAT ARE NON-POLARIZED, THE USE OF AN AC ADAPTOR CONNECTOR MAY BE NECESSARY.

Polarized plug

Remote Control

The **Remote Control Quick Reference Guide** is located within the package provided with this TV.

Cable / Antenna

For proper reception, either a cable or antenna connection is required.

Cable Connection

Connect the cable supplied by your local cable company.

Note: *A cable converter box may be required for proper reception. Check with your local Cable company for compatibility requirements.*

Incoming Cable from Cable Company

75 Ohm VHF/UHF on back of TV

Antenna Connection

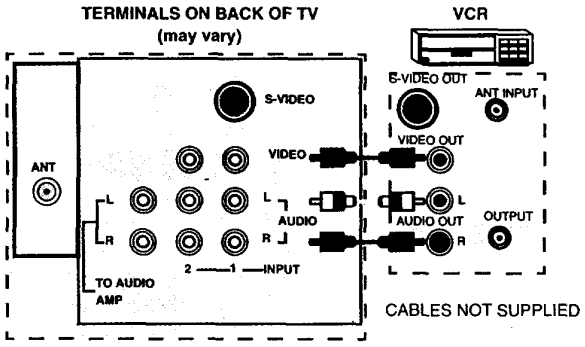
- For proper reception of VHF/UHF channels, an external antenna is required. For best reception an outdoor antenna is recommended.
- Antenna Mode must be set to TV.

Cable Preset

Cable Mode is preset at the factory. Antenna users must change to Antenna Mode in the Set Up Menu.

Optional Equipment Connections

VCR's, video disc players, TV game consoles, and DSS equipment can also be connected to the video inputs. See the optional equipment manual for details. (Some models have only <u>one</u> video input and some models have an S-Video input.)



Procedure

1. Connect equipment as shown to rear Audio/Video input jacks.
2. Select the Video mode by pressing TV/VIDEO button.
3. Operate optional equipment as instructed in equipment manual.

Note: *The S-VIDEO connection is optional and overrides other VIDEO connections.*

TO AUDIO AMPlifier

Connect to an external audio amplifier input for listening to a stereo system.

Note: *Do not connet TO AUDIO AMP terminals directly to external speakers.*

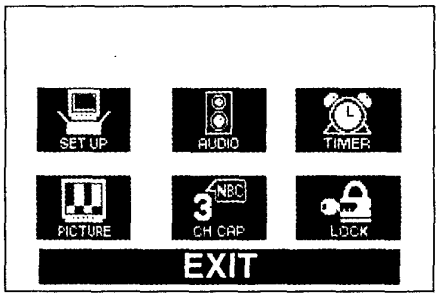
Audio Adjustments

1. Press TV SPEAKERS ON button located in the back of the TV or select TV SPEAKERS ON located in the AUDIO menu on screen.
2. Set amplifier volume to minimum.
3. Adjust TV volume to desired level.
4. Adjust amplifier volume to match the TV.
5. Press TV Speakers OFF button on the back of the TV or OFF&VAO from AUDIO menu.
6. Volume and mute are now controlled from the TV.

Note: *In OFF&FAO the volume is controlled by the external amplifier.*

Main Menu

Main Menu



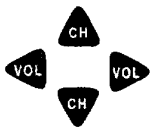
ACTION Button

Press the **ACTION** button to display the Main Menu and Sub Menus. Press the **ACTION** button repeatedly to exit.

CH / VOL Buttons

Press the **CH** (channel) or **VOL** (volume) buttons to select an icon. Use the **CH** buttons to highlight the desired features. Use **VOL** buttons to select and adjust features.

Remote Navigation Buttons

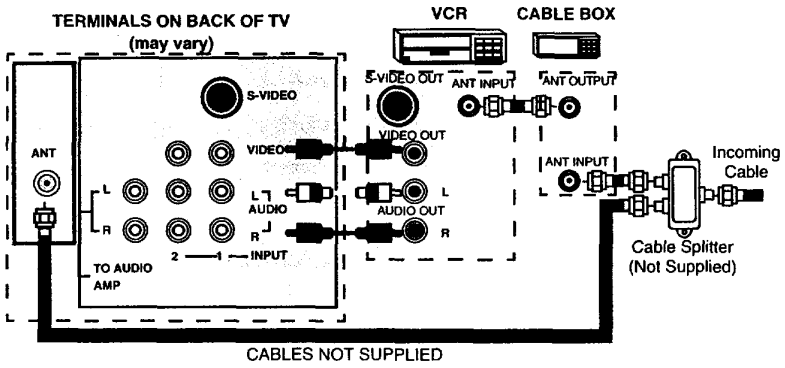


Picture In Picture (PIP) Operation

PIP Operation with a VCR and Cable Box

This television includes a Picture In Picture (PIP) feature. A second video source (VCR, Camcorder, etc.) is required to provide a second picture.

Connect your television to a VCR and Cable Box, as shown. (Some models have only one video input and some models have an S-VIDEO video input.)



Note: *The Remote Control must be programmed with supplied codes to operate the VCR and Cable Box. See* Programming the Remote Control *in the* ***Remote Control Quick Reference Guide.***

Procedure

Press the **PIP** button on the Remote Control to display the PIP frame.

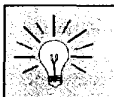
Note: *The PIP picture is the same as the main picture, initially.*

To view a different picture in the PIP frame:

- Press the **TV/VIDEO** button on the Remote Control to select the video PIP source.

Note: *Verify the CABLE BOX and VCR are ON and the VCR tuned to* ***channel 3.***

- Choose channels for the *PIP* frame by pressing the **CABLE** button on the Remote Control and using the numeric keypad or **CH** up/down buttons.
- Choose channels for the *Main Picture* by pressing the **TV** button on the Remote Control and using the numeric keypad or **CH** up/down buttons.



SWAP Button

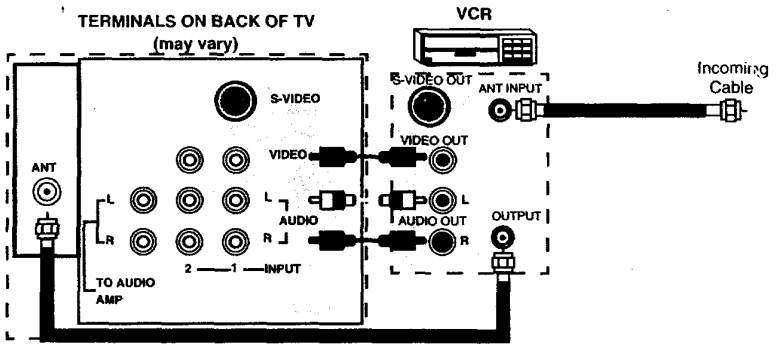
The **SWAP** button switches the PIP and Main Picture source. Press the **RECALL** button for PIP and Main Picture source status, on screen.

PICTURE IN PICTURE (PIP) OPERATION

PIP Operation with a VCR - No Cable Box

This television includes a Picture In Picture (PIP) feature. A second video source (VCR) is required to provide a second picture.

Connect your television to a VCR, as shown. (Some models have only one video input and some models have an S-VIDEO input.).



CABLES NOT SUPPLIED

Note: *The Remote Control must be programmed with the supplied codes to operate the VCR. See Programming the Remote Control in the* ***Remote Control Quick Reference Guide.***

Procedure

Turn the VCR OFF and tune the TV to channel 3.

Press the **PIP** button on the Remote Control to display the PIP frame on screen.

Note: *The PIP picture is the same as the Main picture, initially.*

- Press the **TV/VIDEO** button on the Remote Control to select the VIDEO PIP source.
- Press the **VCR** button on the Remote Control and turn ON the VCR.
- Press the **TV/VCR** button on the Remote Control.
- Choose channels for *PIP* frame by pressing **VCR CHANNEL** up/down buttons on the Remote Control.
- Choose channels for the *Main Picture* by pressing the **TV** button on the Remote Control and using the numeric keypad or **CH** up/down buttons.

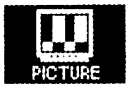
SWAP Button

The **SWAP** button switches the PIP and Main Picture source. Press the **RECALL** button for PIP and Main Picture source status, on screen.

Main Menu Feature Chart

MENU	DESCRIPTION
	SET UP
SET TIME	When entered, TIME will display on screen after pressing POWER button, RECALL button, or changing channels.
ANT	Choose CABLE or TV to match the signal at your antenna input.
AUTO PROG	Automatically program channels with a signal into memory.
MANUAL PROG	Manually add or delete channels from memory.
AUTO POWER ON	Automatically turn TV POWER on when AC power is applied.
CC MODE	Select CC for Closed Captioning display. Select OFF to display closed captioning when MUTE button is pressed.
LANGUAGES	Select English, Spanish, or French menu.
GEOMAGNETIC CORR (some models)	Adjustment may be required for geomagnetic fields in the area.
	AUDIO
MODE	Select the audio mode: ❒ STEREO - Two channel audio reception. ❒ SAP - (Second Audio Program) Tune to the alternate audio channel if available in your area (bilingual or descriptive audio). ❒ MONO - One channel audio. Use when stereo signal is weak.
AI SOUND	Automatically maintain constant volume between programs and commercials.
TV SPEAKERS	Select TV SPEAKERS: ❒ ON - TV SPEAKERS operate normally. ❒ OFF&VAO (Variable Audio Output) - TV Speakers off — audio adjustable by TV. ❒ OFF&FAO (Fixed Audio Output) - TV SPEAKERS off — audio adjustable only by the amplifier (some models).

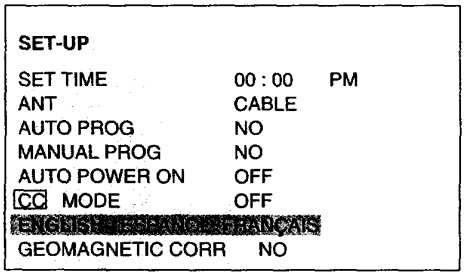
Main Menu Feature Chart (Cont.)

MENU	DESCRIPTION
	CH CAP
CHANNEL CAPTION	Provide labels for up to 30 stations using up to four characters for each station.
	TIMER
SLEEP TIMER	Program TV to automatically turn off in 30, 60, or 90 minutes. Select NO to turn timer off.
PROGRAM TIMER	Program TV to automatically turn on and off at selected time on a selected channel, daily or only one day.
	**PICTURE**
PICTURE NORM	Reset all picture adjustments to factory default settings.
COLOR	Adjust desired color intensity.
TINT	Adjust natural flesh tones.
BRIGHTNESS	Adjust dark areas for crisp detail.
PICTURE	Adjust white areas of picture.
SHARPNESS	Adjust clarity of outline detail.
	LOCK
GAME GUARD	Program to prevent video games, cable box, and VCR's from being viewed.

Special Features

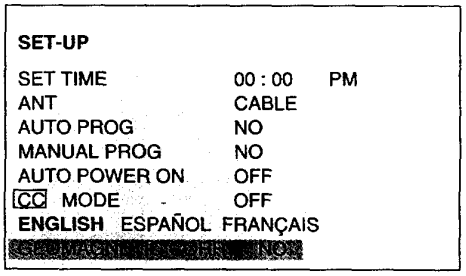
Languages

In SET UP menu, select ENGLISH, ESPAÑOL, OR FRANÇAIS.



Geomagnetic Corr (Correction) (some models)

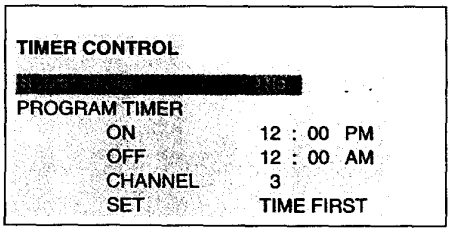
In SET-UP menu, select GEOMAGNETIC CORR to adjust discoloration due to the geomagnetic field in the area. Use the navigation keys to adjust the tilt bar parallel to the bottom of the picture frame.



Timer

Sleep Timer

In TIMER menu, program to turn TV OFF in 30, 60, or 90 minutes. Select NO to turn off timer.



Note: *Auto Power On in the Set Up Menu must be OFF to use the Sleep Timer.*

Program Timer

In Timer menu, program TV to automatically turn on and off at selected time on a selected channel, daily or one day.

TIMER CONTROL	
SLEEP TIMER	NO
PROGRAM TIMER	
ON	12 : 00 PM
OFF	12 : 00 AM
CHANNEL	3
SET	TIME FIRST

Note: *TIME must be entered in the SET UP menu to operate PROGRAM TIMER.*

Turn Off After 90 Minutes

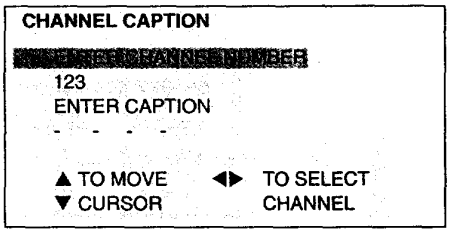
The TV automatically turns OFF after 90 minutes when turned on by the PROGRAM TIMER. If the OFF time is programmed or if a key is pressed, the automatic OFF after 90 minutes will be cancelled.

PROGRAM TIMER Activation

The PROGRAM TIMER is active when the TV is OFF or ON. The TV will switch to the selected channel at the selected time set by the PROGRAM TIMER.

CH CAP (Channel Caption)

Program channel captions (station labels) for 30 stations using up to four characters.



Note: *Delete channel captions by entering dashes (-) in all four character slots.*

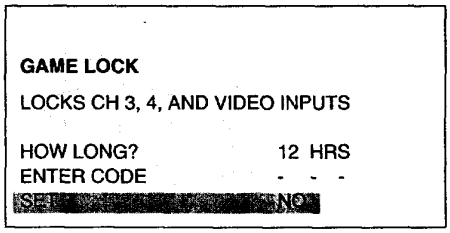
LOCK

Game Guard Lock

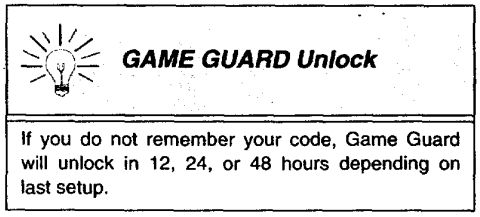
In LOCK menu, use to prevent video games and VCR's from being viewed for 12, 24, or 48 hours using a secret code.

Lock Channel 3, Channel 4, and video inputs for 12, 24, or 48 hours by entering a three-digit secret code.

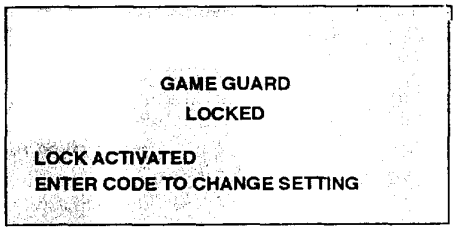
Unlock GAME GUARD by entering the same three-digit secret code.



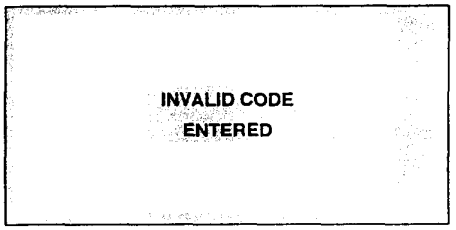
Note: *Understand how to unlock GAME GUARD before using it. Use a code that is easy to remember or record it in a safe place.*



Unlocking Game Guard



Enter the same three-digit code.

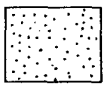


If the three-digit code is not the same as entered previously.

If the same three-digit code is used.

Troubleshooting Chart

Before calling for service, determine the symptoms and follow suggested solutions.

AUDIO	VIDEO	Solutions
Noisy Audio	Snowy Video	Adjust Antenna Location and Connection
Noisy Audio	Multiple Image	Adjust Antenna Location and Connection Check Antenna Lead-in Wire
Noisy Audio	Interference	Move TV from Electrical Appliances, Lights, Vehicles, and Medical Equipment
No Audio	Normal Video	Increase Volume Change Channel
Noisy Audio	 No Video	Set TV or Cable Mode Properly Check Antenna Cables
No Audio	No Video No PIP	Check Power Cord is Plugged into Active Outlet Adjust Brightness and Audio Controls Change Channel Check Cable Connections Program the Remote Control Again Check Second Video Source Operation
Normal Audio	No Color	Adjust Color Settings Change Channel
Wrong Audio	Normal Video	Check Audio Is Set To Stereo Or Mono, Not SAP
Normal Audio	Discoloration	Adjust Geomagnetic Corr (Correction) in the SET-UP menu
Normal Audio	Normal Video	Replace Remote Control Batteries
Intermittent Remote Control Operation		

NOTES

Read these instructions completely before operating TV.

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